

14218500 YALE RESERVOIR NEAR YALE, WA

Lower Columbia Basin
Lewis Subbasin

LOCATION.--Lat 45°57'50", long 122°19'53" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.32, T.6 N., R.4 E., Clark County, WA, Hydrologic Unit 17080002, at left bank on Yale Dam on Lewis River just upstream from intake, 500 ft upstream from powerhouse, 1.0 mi upstream from Canyon Creek, 3.2 mi southeast of Yale, and at mile 34.2.

DRAINAGE AREA.--596 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1952 to current year.

GAGE.--Water-stage recorder and long distance indicator in powerhouse. Datum of gage is NGVD of 1929 (levels by PacifiCorp). Prior to Feb. 1, 1954, nonrecording indicator gage at same site and datum.

COOPERATION.--Hourly elevations and capacity table furnished by PacifiCorp. Records reviewed and two inspections made by USGS.

REMARKS.--Reservoir is formed by rock and earthfill dam; storage began July 31, 1952; dam completed in 1952. Usable capacity, 189,500 acre-ft between elevations 430 ft, lower limit for economic operation, and 490 ft, top of spillway gates. Dead storage below elevation 417 ft, 178,000 acre-ft. Figures given herein represent total contents. Water is used by PacifiCorp for power generation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 402,500 acre-ft, May 13, 1961, elevation 490.15 ft; minimum contents observed since reservoir was first filled, 227,600 acre-ft, Feb. 22, 1957, elevation 435.65 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 401,600 acre-ft, June 12,13, elevation 489.96 ft; minimum contents; 296,200 acre-ft, Mar. 9, elevation 459.13.

MONTH-END ELEVATION AND CONTENTS AT 2400			
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006			
Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	468.18	324,800	--
October 31	464.44	312,800	-12,000
November 30	477.79	357,300	+44,500
December 31	482.29	373,300	+16,000
Calendar Year 2005	--	--	+11,600
January 31	486.62	389,100	+15,800
February 28	462.22	305,800	-83,300
March 31	477.41	355,900	+50,100
April 30	485.08	383,400	+27,500
May 31	488.98	397,900	+14,500
June 30	489.41	399,600	+1,700
July 31	486.57	388,900	-10,700
August 31	480.45	366,700	-22,200
September 30	479.82	364,400	-2,300
Water Year 2006	--	--	+39,600